



2013 RESIDENTIAL: ADDITIONS & ALTERATIONS
CHULA VISTA & CALIFORNIA GREEN BUILDING STANDARDS CODE
(CALGreen)
PLAN CHECK CORRECTIONS LIST

2013 STATE TITLE 24 SECTION 11

DIVISION 3.0 SCOPE

1. Residential project plans must show conformance with the 2013 State Title 24 Section 11 California Green Building Code Requirements, Chapter 4, Residential Mandatory Measures, under the appropriate category:
New Construction
OR
Additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the specific area of the addition or alteration. (301.1.1)
2. In residential projects with a mixed-use component, all portions with non-residential occupancy must comply with 2013 State Title 24 Section 11 California Green Building Code Requirements, Chapter 5, Non-Residential Construction. (302.1)
3. Include the Chula Vista Residential Mandatory Measures Sheets 1 & 2, which are based on the 2013 California Green Building Standards Code, in the permit drawing set. The sheets are available in PDF format at the Chula Vista city website:
www.chulavistaca.gov/home/showdocument?id=6753
4. Include the Chula Vista Green Building Standards checklist GRN 9 in the permit drawing set. Complete all fields indicating where each required item is located in the plans. The sheets are available in PDF format at the Chula Vista city website.

DIVISION 4.3 - WATER EFFICIENCY & CONSERVATION

Indoor Water Use (4.303)

5. All **new** fixtures shall comply with the prescriptive maximum flows for each type as listed below.
(4.303.1)

- a. Waters Closets: ≤ 1.28 gal/flush (4.303.1.1) (Note: The effective flush volume of dual flush toilets is the composite, average flush volume of two reduced flushes and one full flush)
 - b. Urinals: ≤ 0.5 gal/flush (4.303.1.2)
 - c. Single Showerheads: ≤ 2.0 gpm @ 80 psi (4.303.1.3.1)
 - d. Multiple Showerheads: combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gpm @ 80 psi or only one shower outlet is to be in operation at a time (4.303.1.3.2)
 - e. Residential Lavatory Faucets: ≤ 1.5 gpm @ 60 psi (4.303.1.4.1)
 - f. Lavatory Faucets in Common and Public Use Areas of Residential Buildings: ≤ 0.5 gpm @ 60 psi (4.303.1.4.2)
 - g. Metering Faucets: ≤ 0.25 gallons per cycle (4.303.1.4.3)
 - h. Kitchen Faucets: ≤ 1.8 gpm @ 60 psi; may temporarily increase to 2.2 gpm allowed but shall default to 1.8 gpm (4.303.1.4.4)
6. Residential Buildings undergoing permitted alterations, additions or improvements shall replace non-compliant plumbing fixtures, as defined in CA Civil Code Section 1101.1 et.seq, with water-conserving plumbing fixtures.

"Noncompliant plumbing fixture" means any of the following: [from CA Civil Code 1101.3(c)]

- (1) Any toilet manufactured to use more than 1.6 gallons of water per flush.
- (2) Any urinal manufactured to use more than one gallon of water per flush.
- (3) Any showerhead manufactured to have a flow capacity of more than 2.5 gallons of water per minute.
- (4) Any interior faucet that emits more than 2.2 gallons of water per minute.

DIVISION 4.5 - ENVIRONMENTAL QUALITY

Fireplaces & Wood Stoves (4.503)

- 7. Incorporate manufacturer's specifications in plans for any **new** gas fireplace indicating that it is a direct-vent sealed-combustion type. (4.503.1)
- 8. Incorporate manufacturer's specifications in plans for any **new** woodstove or pellet stove indicating that it complies with U.S. EPA Phase II emission limits where applicable. Woodstoves, pellet stoves and fireplaces shall also comply with all applicable local ordinances. (4.503.1)

Indoor Air Quality & Exhaust (4.506)

- 9. Show location and manufacturer's specifications for an exhaust fan in each new or remodeled bathroom on plans. For all bathrooms containing bathtubs, showers, or tub/shower combinations, bathroom exhaust fans shall comply with the following:
 - a. Fans are ENERGY STAR compliant and ducted to terminate at the outside of the building.

- b. Fans that are not functioning as a component of a whole house ventilation system will be controlled by a humidity control device. (4.506.1)

Environmental Comfort (4.507)

- 10. Provide plans and calculations showing that any proposed heating and air-conditioning systems have been sized and designed using ANSI/ACCA Manual J-2004, ANSI/ACCA 29-D-2009 or ASHRAE handbooks and that all included equipment has been selected in accordance with ANSI/ ACCA 36-S Manual S-2004. (4.507.2)